

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

| | | |
|----------------------------------------------|----|------------------------------------------------------------------|
| (51) International Patent Classification 6 : | A1 | (11) International Publication Number: WO 99/57481 |
| F16L 59/02, 59/14 | | (43) International Publication Date: 11 November 1999 (11.11.99) |

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (21) International Application Number: PCT/AU99/00328 | (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). |
| (22) International Filing Date: 4 May 1999 (04.05.99) | |
| (30) Priority Data: PP 3326 4 May 1998 (04.05.98) AU 26034/99 30 April 1999 (30.04.99) AU | |
| (71) Applicant (for all designated States except US): BAINS HARDING LIMITED [AU/AU]; 21 King Edward Road, Osborne Park, W.A. 6017 (AU). | |
| (72) Inventor; and | |
| (75) Inventor/Applicant (for US only): KEENAN, Brian [AU/AU]; 18 St. Michael's Terrace, Mount Pleasant, W.A. 6153 (AU). | |
| (74) Agent: WATERMARK PATENT & TRADEMARK ATTORNEYS; 4th floor, Durak Centre, 263 Adelaide Terrace, Perth, W.A. 6000 (AU). | |

(54) Title: INSULATION MODULE, SYSTEM AND METHOD FOR INSTALLATION AND MANUFACTURE

(57) Abstract

A pre-formed insulation module (10) having a part-cylindrical body including: an unstriated insulation layer (14) comprising a rigid insulating material and being substantially uniform in composition and density over a cross section of said layer (14); an inner surface adjacent to a surface of a component to be insulated; an outer surface generally concentric to said inner surface and contacting surfaces; a substantially non-fibrous resilient cladding layer (18) shaped to the body and directly adhered to the insulation layer (14) at the outer surface; and connection means (16) disposed along the length of the body for connecting with a further insulation module (2) wherein the insulation and cladding layers of each module (10; 20) are brought into relative contact along said contacting surfaces of the modules (10; 20) to insulate a portion of the component.

